1 VQE results Aer Estimator (With Shots)

			(Full Har	miltonian)	Double Well	Double Well $\Lambda = 16$ COYBLA		A Max 10k Iterations			
Ansatz	Tolerance	Shots	Converged runs	Mean iter	VQE min E.	σ_{min}	Δ_{min}	VQE median E.	Δ_{median}	Exact	Time
RA r1 rl	1e-01	10000	100/100	48	1.3899e+00	$7.9864e{-01}$	$4.9828e{-01}$	7.0665e+00	6.1749e+00	$8.916e{-01}$	02h 41m 22s
RA r1 rl	$1e{-02}$	10000	100/100	68	1.5397e + 00	$7.966e{-01}$	$6.4806e{-01}$	6.5647e + 00	5.6731e+00	-	$03h\ 27m\ 11s$
RA r1 rl	1e - 03	10000	100/100	85	1.1283e+00	$7.4966e{-01}$	$2.3666e{-01}$	6.7462e+00	5.8546e+00	-	03h $58m$ $47s$
RA r1 rl	$1e{-04}$	10000	100/100	105	1.4244e+00	$8.4157e{-01}$	$5.3281e{-01}$	6.799e+00	5.9074e+00	-	04h $57m$ $03s$
RA r1 rl	$1e{-05}$	10000	100/100	119	1.2603e+00	$7.299e{-01}$	$3.6872e{-01}$	6.2919e+00	5.4003e+00	-	$04h\ 49m\ 42s$
RA r1 rl	$1e{-06}$	10000	100/100	135	$9.0525e{-01}$	$7.9945e{-01}$	$1.3654e{-02}$	8.0183e+00	7.1267e+00	-	$05h\ 13m\ 32s$
RA r1 rl	1e - 07	10000	100/100	156	1.5255e+00	$7.3928e{-01}$	$6.3387e{-01}$	7.1365e+00	6.2449e+00	-	$05h\ 39m\ 14s$
RA r1 rl	$1e{-08}$	10000	100/100	172	1.3339e+00	$8.0673e{-01}$	$4.4226\mathrm{e}{-01}$	7.2423e+00	6.3507e+00	-	$06h\ 42m\ 51s$
Ansatz	Tolerance	Shots	Converged runs	Mean iter	VQE min E.	σ_{min}	Δ_{min}	VQE median E.	Δ_{median}	Exact	Time

Table 1